

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Yusuke KONAGAI et al.

Serial No.: 10/584,672

Filed: June 26, 2006

Title: AUDIO OUTPUT APPARATUS

Group Art Unit:

Examiner:

Attorney Docket No.: YAMA:130

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By: MARC A. ROSSI

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INFORMATION DISCLOSURE STATEMENT

Sirs:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Forms PTO/SB/08A and PTO/SB/08B. These references were cited in the International Search Report of the parent PCT application PCT/JP2004/019736, with the exception of reference AA, which was cited in the specification of the present application. Copies of the references listed on Forms PTO/SB/08A and the International Search Report listed on PTO/SB/08B are attached.

It is respectfully requested that the information be expressly considered during the prosecution of this application, that these references be made of record therein and appear among the "References Cited" on any patent to issue therefrom, and that an initialed copy of the Forms PTO/SB/08A and PTO/SB/08B be returned to the undersigned.

Respectfully submitted,

ROSSI, KIMMS & McDOWELL LLP

MARC A. ROSSI  
REG. NO. 31,923

08/02/06

DATE

P.O. Box 826  
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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**(Use as many sheets as necessary)**

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of 6

**Complete if Known**

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|------------------------|-----------------------|
| Application Number     | 10/584,672            |
| Filing Date            | June 26, 2006         |
| First Named Inventor   | Yusuke KONAGAI et al. |
| Art Unit               |                       |
| Examiner Name          |                       |
| Attorney Docket Number | YAMA:130              |

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## **U. S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
|                    |                       | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                |  |   |                |
|                    | B                     | JP 5-41897 A  | 02-19-1993                     | YANAGAWA et al.                                    | Engl. Abstract  |                |
|                    | C                     | JP 2000-184448 A  | 06-30-2000                     | KOURA et al.                                       | Engl. Abstract  |                |
|                    | D                     | JP 2003-510924 A  | 03-18-2003                     | HOOLEY et al.                                      | see cite E  |                |
|                    | E                     | WO 01/23104 A2  | 04-05-2001                     | HOOLEY et al.                                      |   |                |
|                    | F                     | JP 6-209500 A   | 07-26-1994                     | KAKU   | Engl. Abstract  |                |
|                    | G                     | JP 2004-350173 A  | 09-12-2004                     | NAKAYAMA et al.                                    | Engl. Abstract  |                |

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| Sheet                        | 2 | Attorney Docket Number   | YAMA:130              |
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|                          | H                     | JP 2004-363697 A  | 12-24-2004                     | KONAGAI  | Engl. Abstract  |                |
|                          | I                     | JP 2004-172661 A  | 06-17-2004                     | ASADA et al.                                       | Engl. Abstract  |                |
|                          | J                     | JP 2004-531125 A  | 10-07-2004                     | TROUGHTON et al                                    | see cite K  |                |
|                          | K                     | WO 02/078388 A2   | 10-03-2002                     | TROUGHTON et al                                    |   |                |
|                          | L                     | JP 2003-23689 A   | 01-24-2003                     | HARUYAMA et al.                                    | Engl. Abstract  |                |
|                          | M                     | JP 6-225379 A   | 08-12-1994                     | FURUTA et al.                                      | Engl. Abstract  |                |

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|                          |                       |  |                                |   |   |                |
| N                        | JP 2004-193698 A      |  | 07-08-2004                     | ITABASHI et al.                                 | Engl. Abstract  |                |
| O                        | JP 9-233591 A         |  | 09-05-1997                     | SASAKI et al.                                   | Engl. Abstract  |                |
| P                        | JP 2002-345077 A      |  | 11-29-2002                     | ISHIMARU et al.                                 | Engl. Abstract  |                |
| Q                        | JP 5-276591 A         |  | 10-22-1993                     | TANAKA et al.                                   | Engl. Abstract  |                |
| R                        | JP 6-62488 A          |  | 03-04-1994                     | CHIYOU  | Engl. Abstract  |                |
| S                        | JP 6-261385 A         |  | 09-16-1994                     | FURUTA et al.                                   | Engl. Abstract  |                |

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10/584 672

**Application Number**

10/584 672

**Filing Date**

June 26, 2006

**First Named Inventor**

Yusuke KONAGAI et al.

## Art Unit

**Examiner Name**

**ANSWER** *Yes, it is possible.*

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|                          | T                     | JP 2004-172703 A  | 06-17-2004                     | ASADA et al.                                       | Engl. Abstract  |                |
|                          | U                     | JP 2004-336530 A  | 11-25-2004                     | USUI et al.  | Engl. Abstract  |                |
|                          | V                     | JP 6-269096 A   | 09-22-1994                     | NISHIKAWA  | Engl. Abstract  |                |
|                          | W                     | JP 2005-12765 A   | 01-13-2005                     | KONAGAI  | Engl. Abstract  |                |
|                          | X                     | JP 2005-80079 A   | 03-24-2005                     | MIURA et al.                                       | Engl. Abstract  |                |
|                          | Y                     | JP 2005-27020 A   | 01-27-2005                     | ISONO  | Engl. Abstract  |                |

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|                          | Z                     | GB 2 273 848 A  | 06-29-1994                     | ZHANG  | see cite R  |                |
|                          | AA                    | JP 11-027604 A  | 01-29-1999                     | YOSHIDA  | Engl. Abstract  |                |
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First Named Inventor Yusuke KONAGAI et al.

Art Unit

Examiner Name

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|                    | BB                    | Relevant portion of International Search Report of corresponding PCT Application PCT/JP2004/019736.   |                |
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